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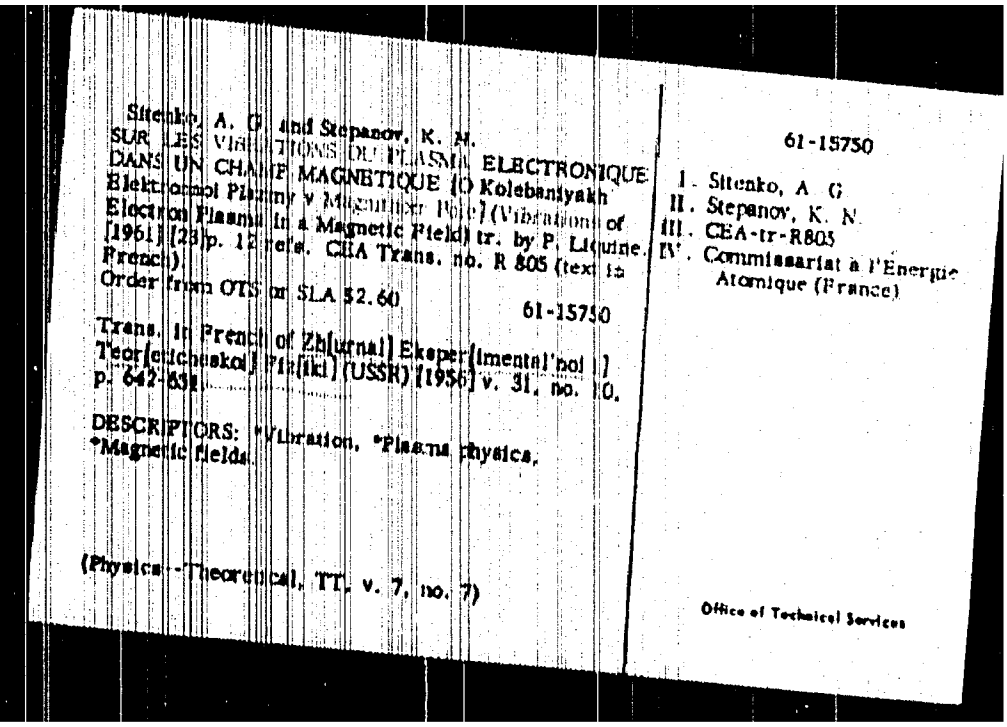

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DESCRIPTORS: *Vibration, *Plasma physics, *Magnetic fields.

(Physics--Theoretical, TT, v. 7, no. 7)

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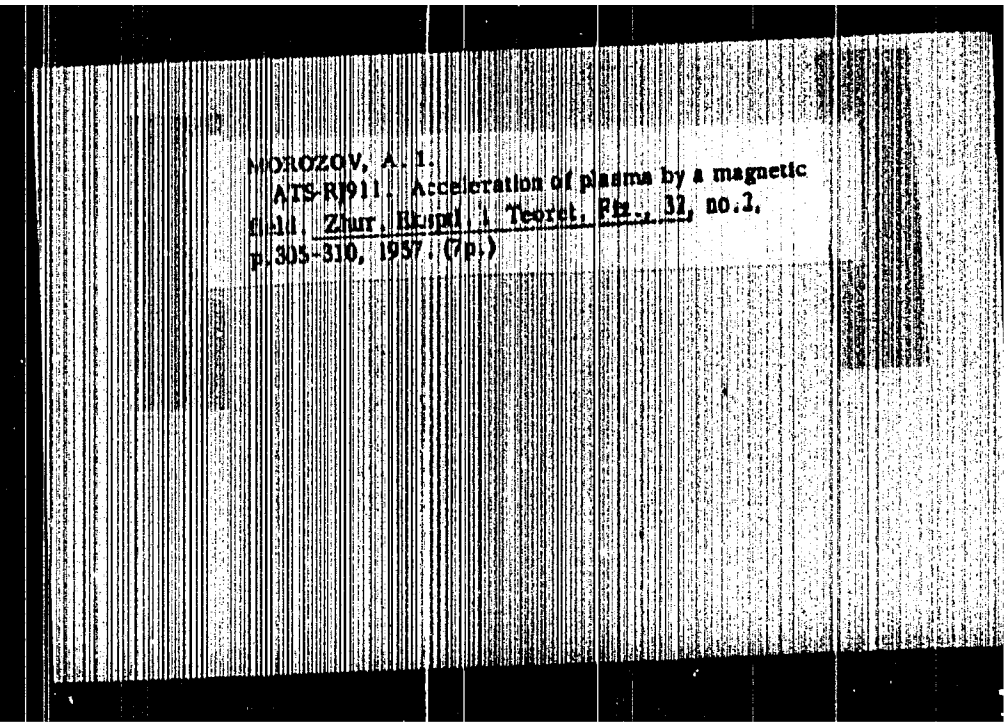

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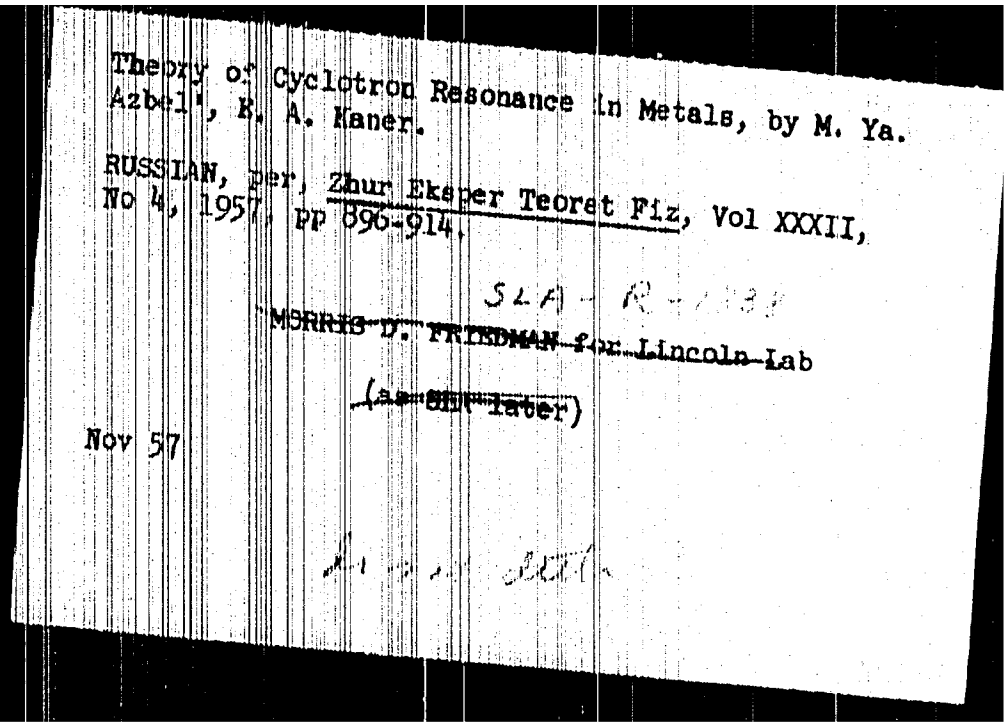

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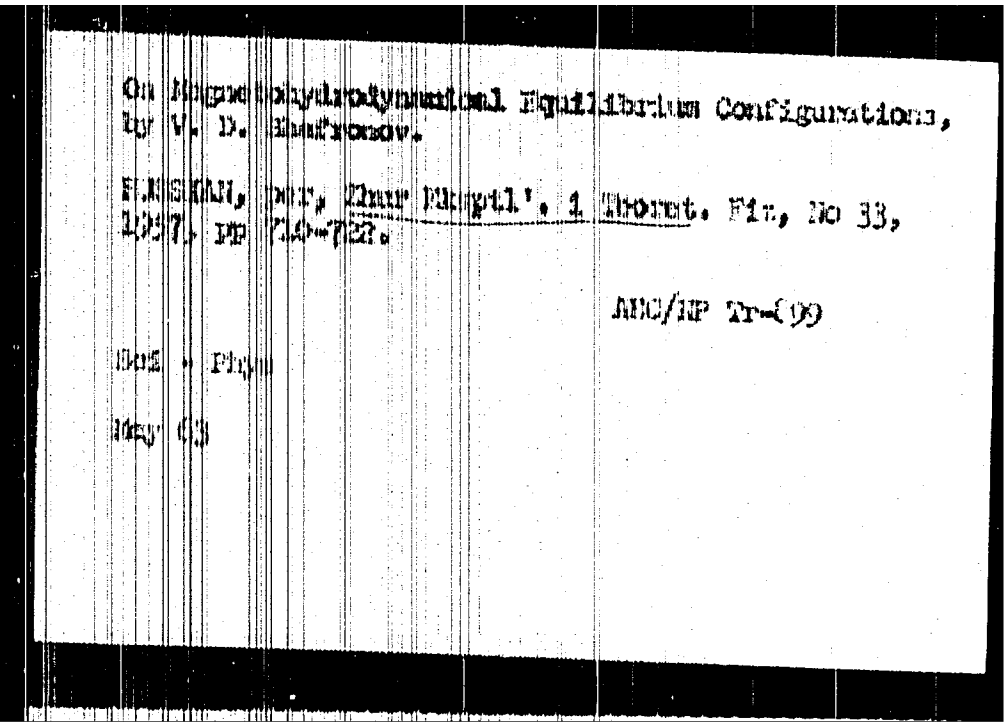

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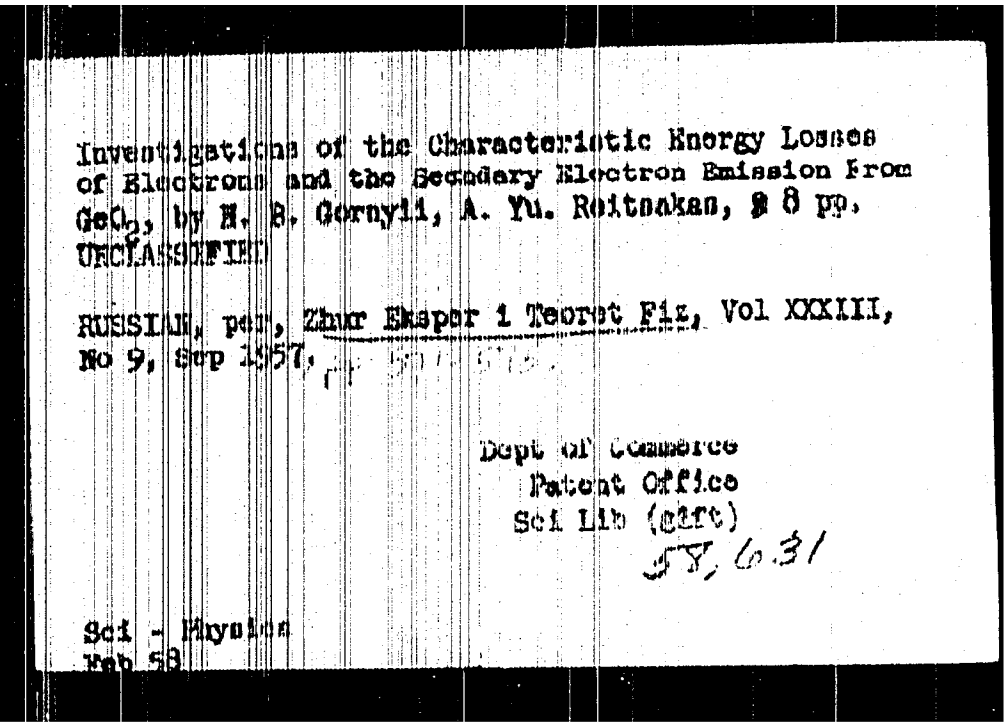

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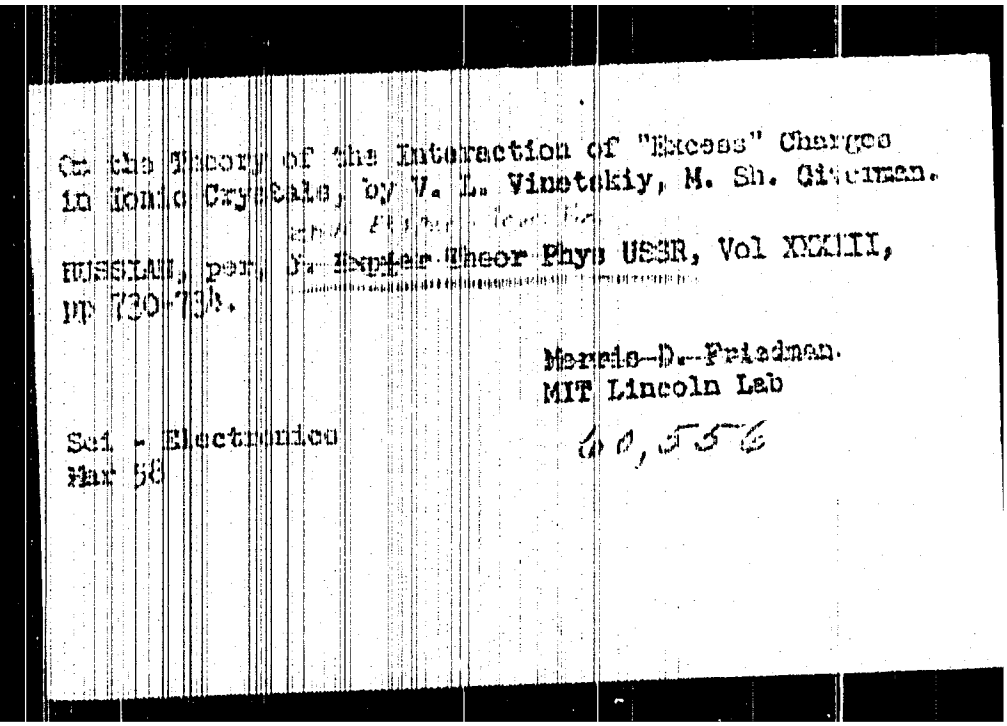

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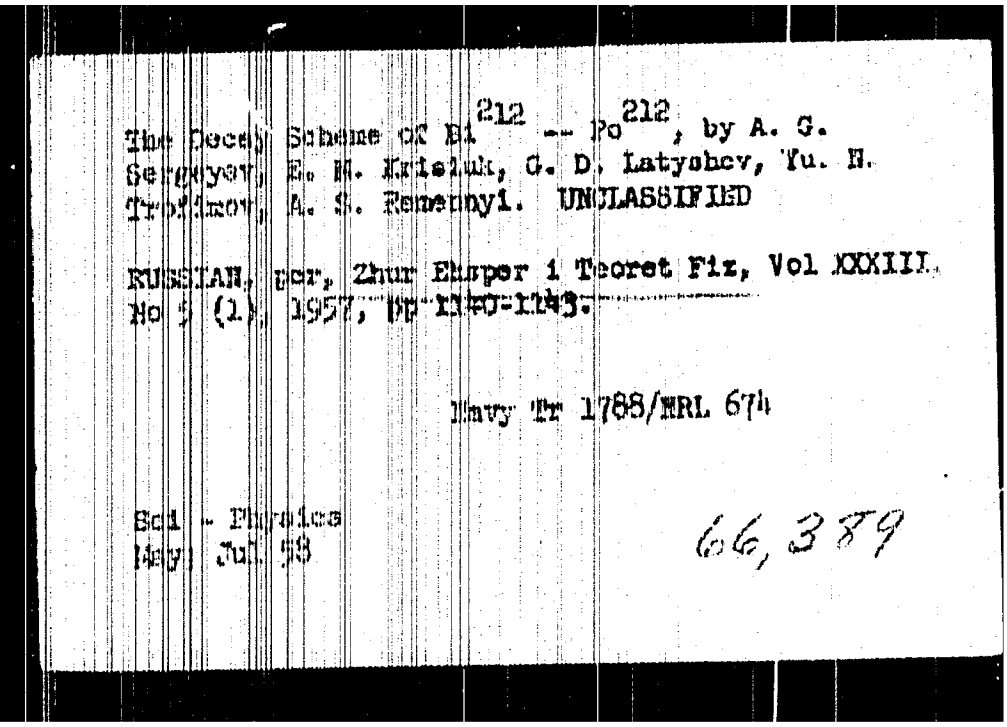

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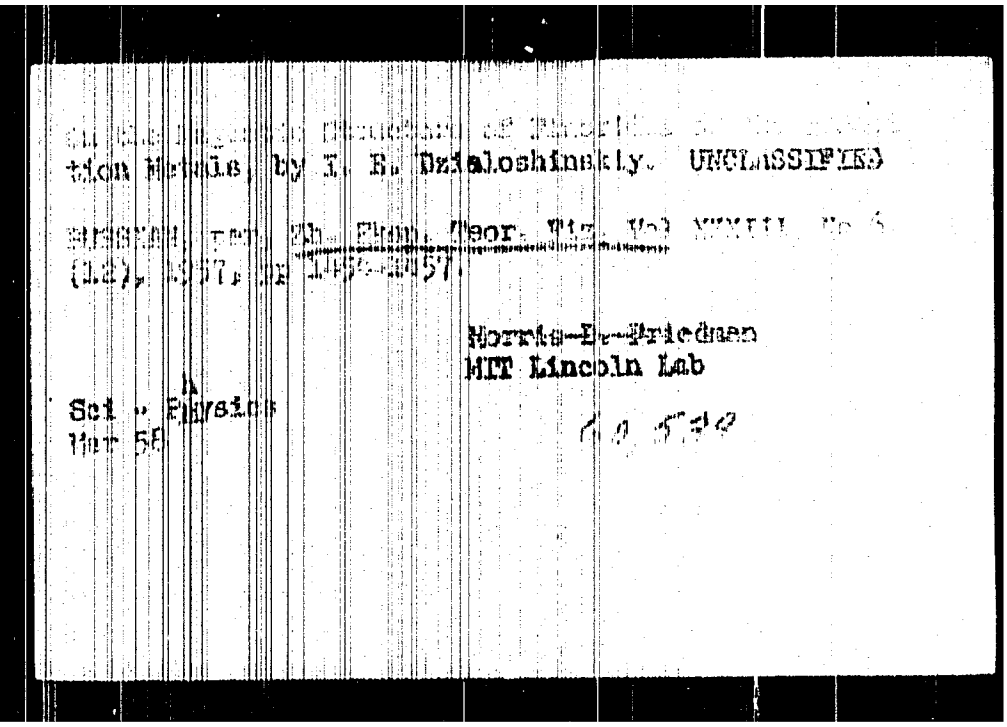

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Norris E. Friedman
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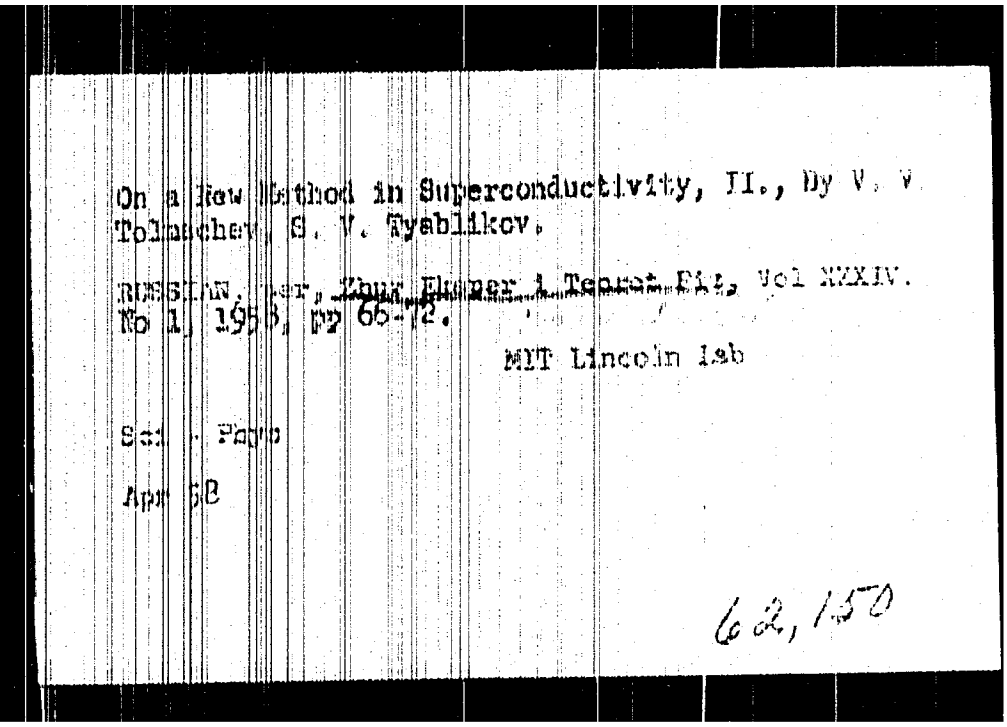

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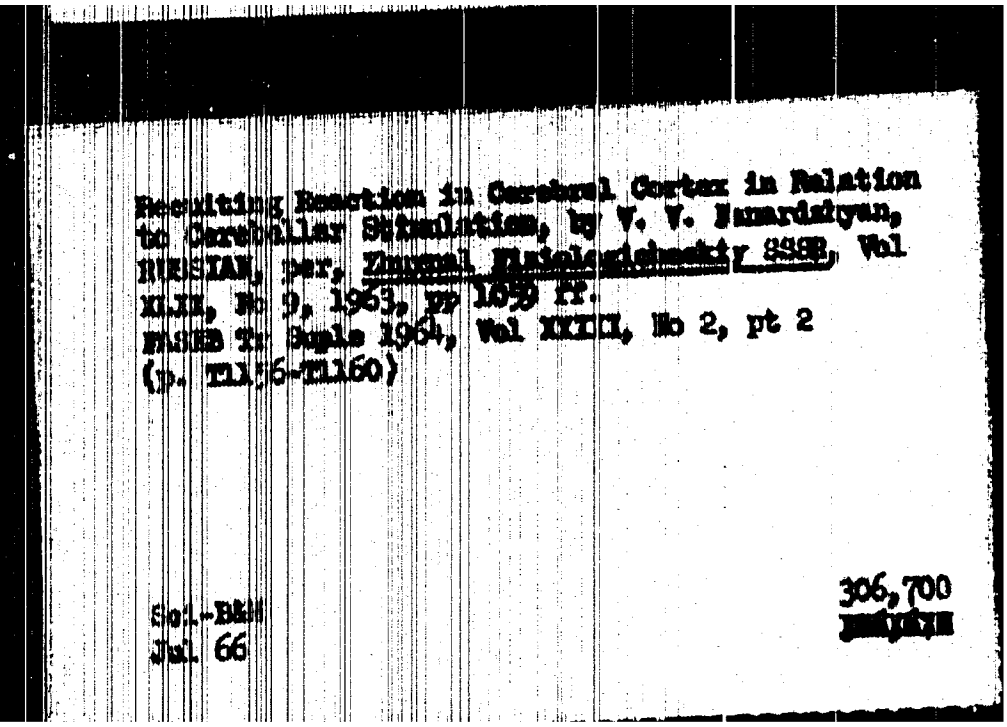

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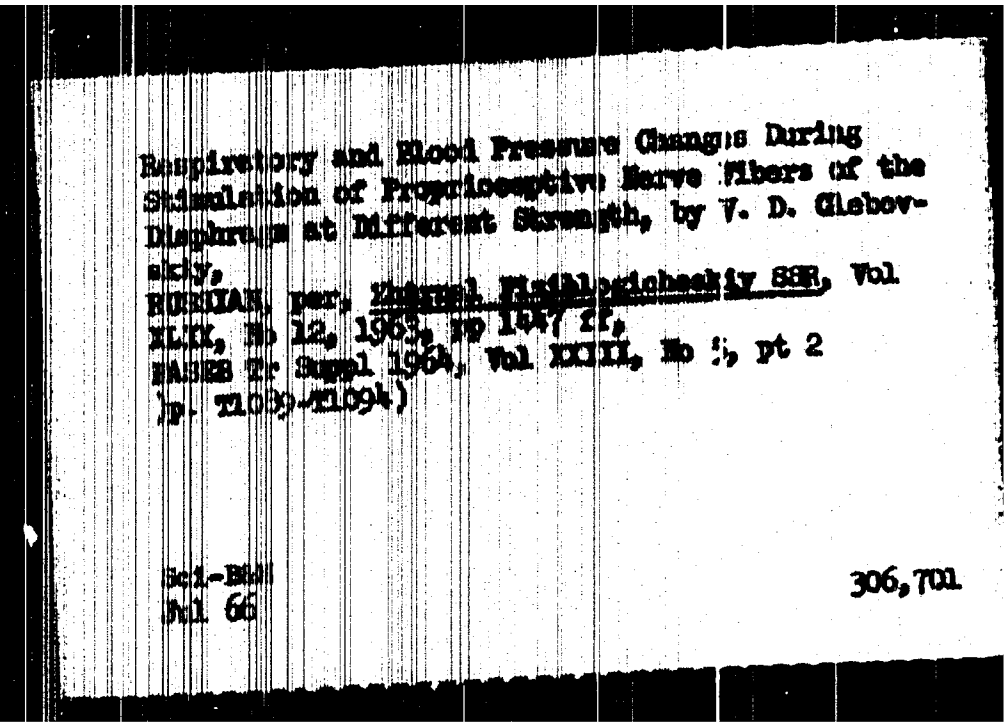

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Dependence of Vitrification Temperatures of Amorphous Materials on the Rate of Heating and the Connection between Vitrification Temperature and Activation Energy, by G. M. Bartenev and I. A. Lukyanov, 10 pp.

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On Isomerization During the Synthesis of Aromatic Hydrocarbons by Friedel's Method IV. Isomerization of the Isobutyl Radical, by M. Konovalov, 7 pp.

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SLA Tr R-825

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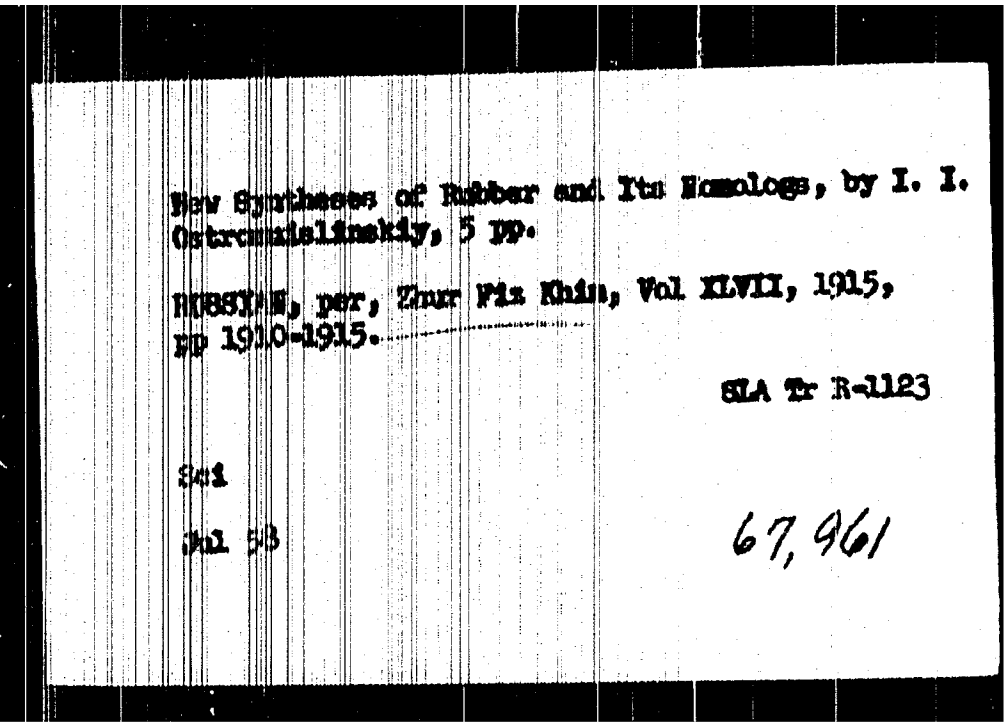

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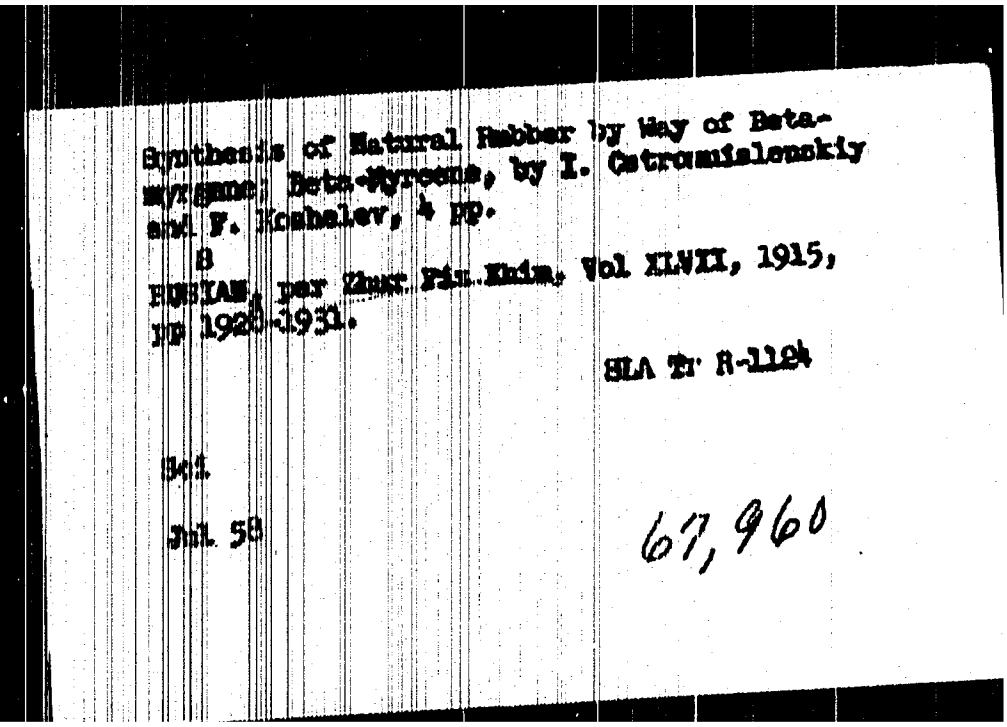

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Myrcene; Beta-Myrcene, by I. Ostromislenskiy
and F. Kohaler, 4 pp.
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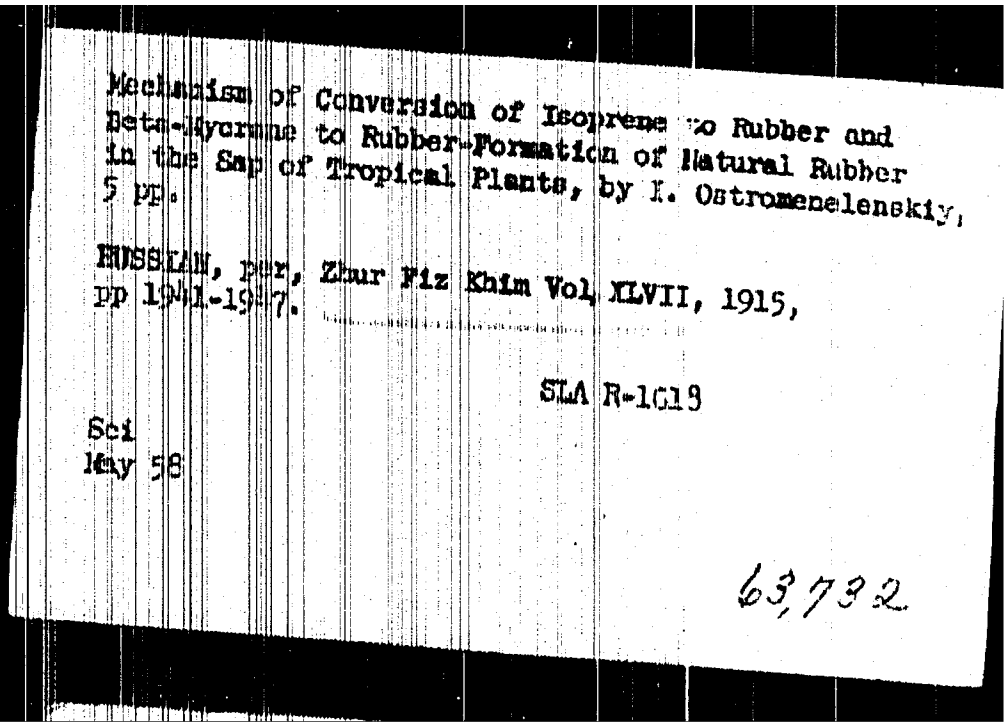

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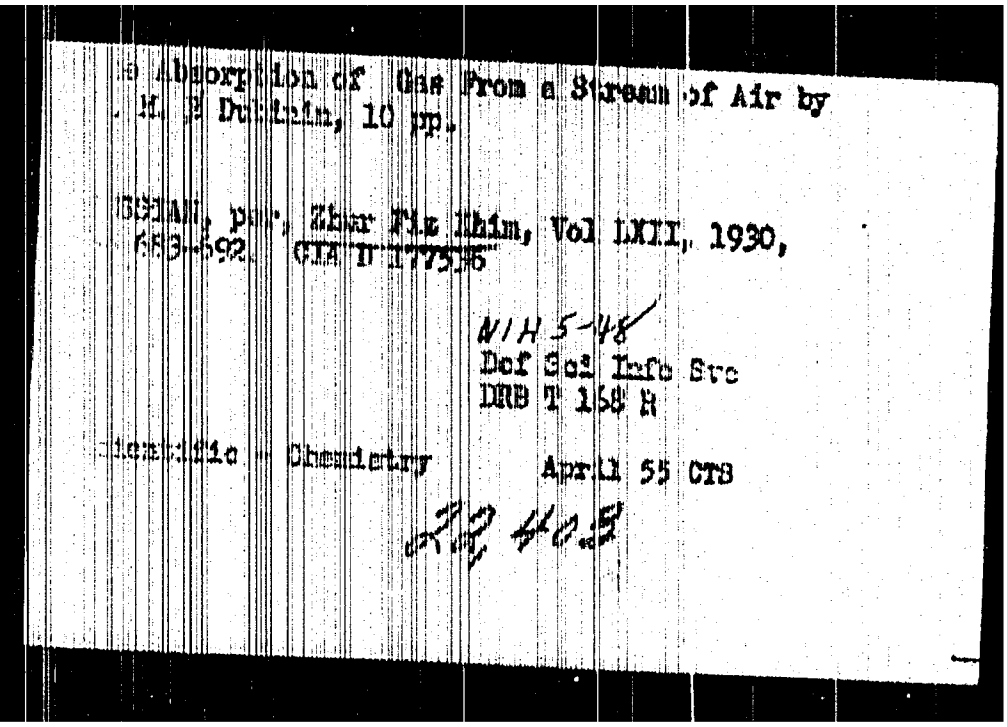

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653-692. CIA II 177316

NIH 5-48
Def Sci Info Svc
DRB T 158 R

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III. The Time of Protective Action of the First Layers of an Adsorbent Bed, by M. M. Dubinin, S. I. Parshin, A. A. Puppyrev, 5 pp.

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ABC Tr 2195

Scientific - Chemistry May 55 CIS/DEX

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Adsorption Properties and Structure of Silica Gel, by M. Polynkov.
RUSSIAN, per, Zhurnal Fizicheskii Khimii, No 6, Vol 2, 1931, pp 799-805
CSIRO/R: 7214

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Lubin, A. Ya.
SOME DATA ON THE AUTOCATALYTIC DECOMPOSITION OF NITROGLYCERIN. [1964] 19p (4 figs 6 tables omitted) 7zmfs
Order from OTS, SLA or ETC $1.60 TT-64-16066

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1932, v. 3, p. 40[illegible]

(Chemistry--Physical, TT, v. 12, no. 4)

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L. Lubin, A. Ya.

Office of Technical Services

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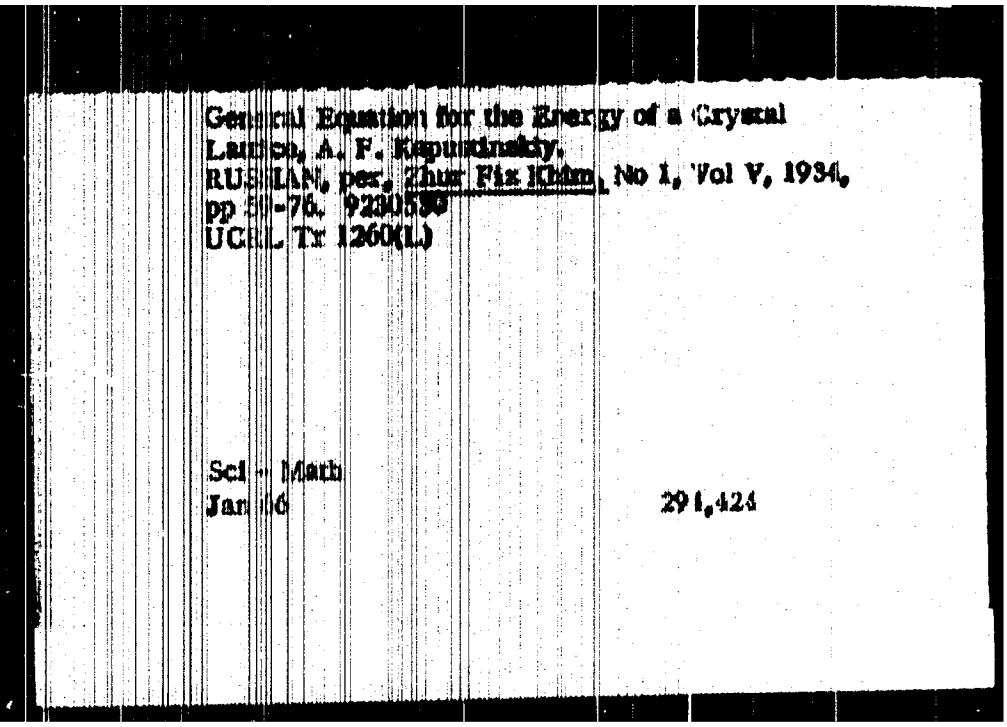

General Equation for the Energy of a Crystal
Lattice, A. F. Kapustinskiy.
RUSSIAN, per. Zhur Fiz Khim, No 1, Vol V, 1934,
pp 59-76. 9230536
UCRL Tr 1260(L)

Sci - Math
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660033-6

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Zagulin, A. V.
ON THE IGNITION POINT OF GASEOUS MIXTURES AT VARIOUS PRESSURES. [1963] 16p (figs omitted)
Refs
Order from OTS, SLA, or ETC $1.60 TT-64-10770

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1933, v. 4, no. 1, p. 92-102.

DESCRIPTORS: *Explosive gases, Gases, Mixtures, Hydrogen, Chlorine, Bromine, Carbon compounds, Sulfides, Monoxides, Oxygen, Ethanes, Propenes, Pentanes, Explosions, *Ignition, Pressure.

Chemistry--Physical, TT, v. 11, no. 10

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I. Zagulin, A. V.

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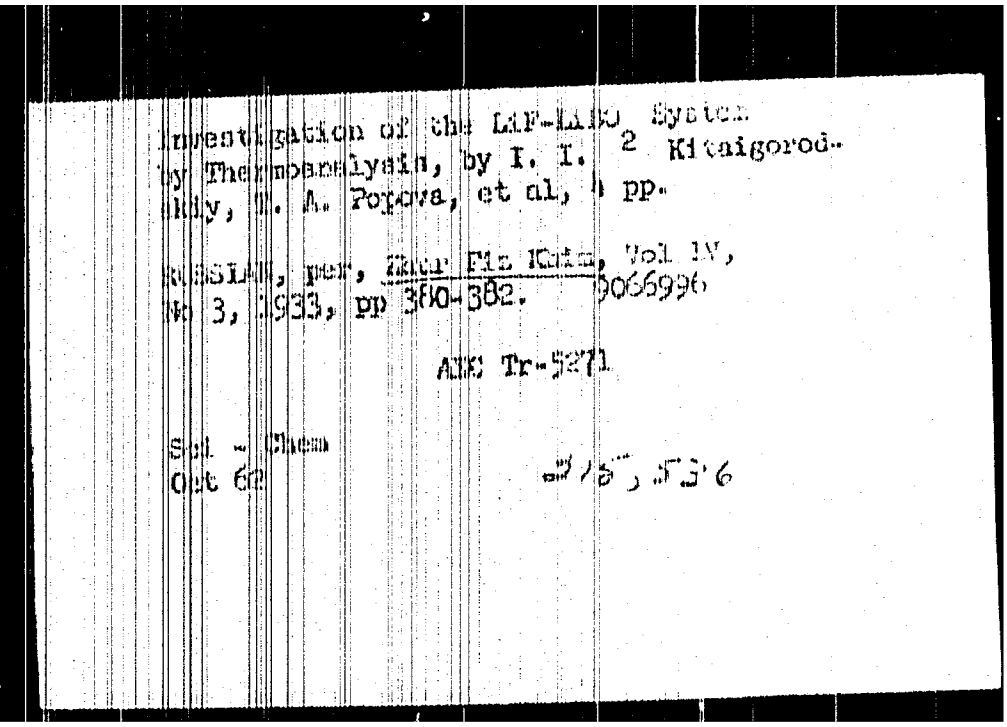

Investigation of the LAP-LAB System
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AMC Tr-5271

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The Catalytic Decomposition of Hydrogen Peroxide Vapor, by V. A. Roiter, and S. S. Suchman.

Full translation.

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NRC Tr 1954

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Influence of Absorbed Gas on Catalytic Activation
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M A. Roitur, and I. G. Shafron.

l translation.

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The Combined Effect of Radiation and Catalyst, by Ya. K. Syrkin, I. N. Godnev, 10 pp.

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Sci - Phys, Chem
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Affinity of Metals for Sulfur, by
E. V. Britske, A. F. Kapustinskiy
RUSSIAN, per. Zhurnal Fizicheskoi Khimiy,
Vol. 5, No. 1, 1934, pp. 85-90.
*CFSTI TT 70-57082

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FEb 70

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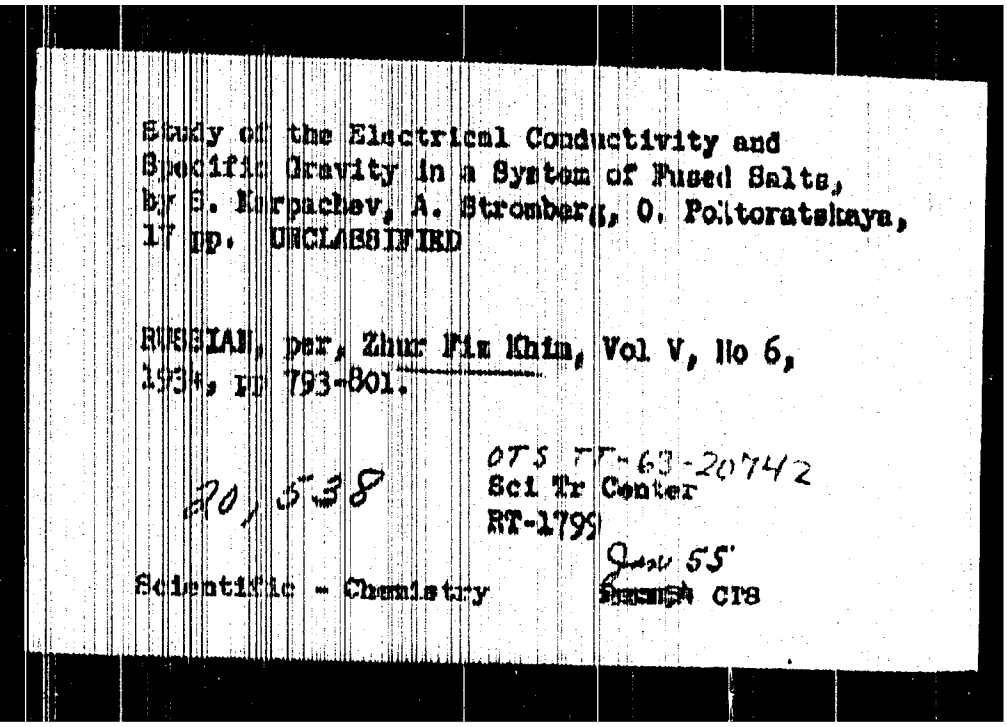

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OTS PT-63-20742
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Reduction of Iron Oxides by Gaseous Reducing Agents. I. Velocity of Reduction of Ferric Oxide by Hydrogen, by G. I. Chufarov, N. P. Lokshvitskaya.

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DSIR LLU M.1947
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Sci - Chem
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Reduction of Iron Oxides by Gaseous Reducing Agents, II. The Rate of Reduction of Magnetic Iron Oxide by Hydrogen, by G. I. Chufarov, B. D. Amyerbulin.

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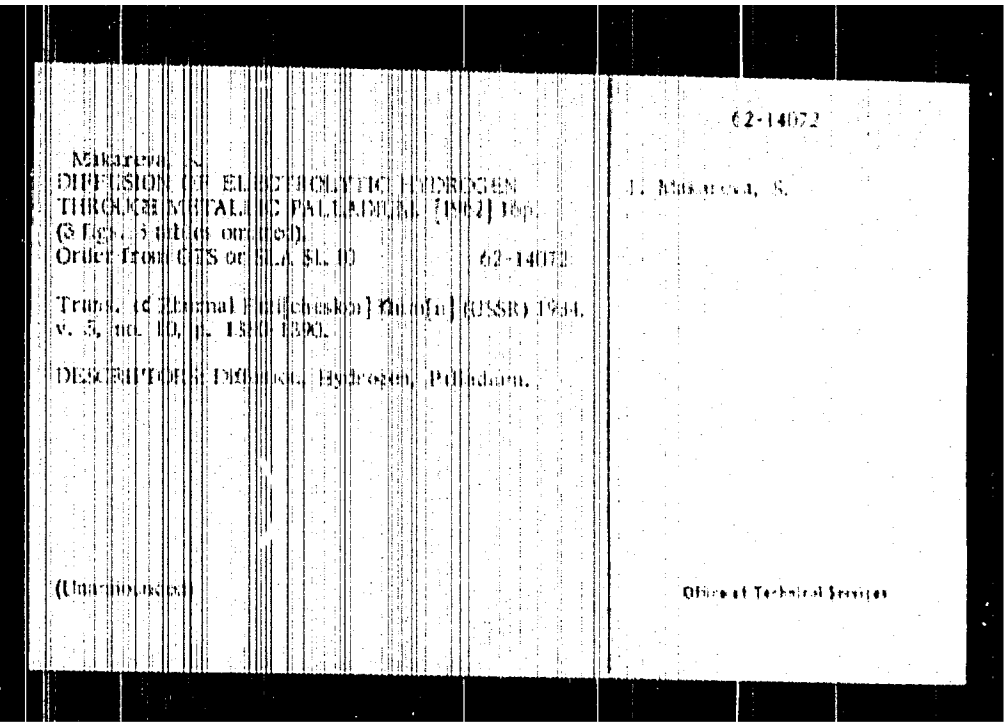

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Makarova, N.
DIFFUSION OF ELECTROLYTIC HYDROGEN THROUGH METALLIC PALLADIUM. [1962] 16p.
(3 figs., 5 refs. on file)
Order from CFS or SLA, SL 10 62-14072

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1954, v. 5, no. 10, p. 1580-1590.

DESCRIPTORS: Diffusion, Hydrogen, Palladium.

(Unclassified)

62-14072

L. Makarova, N.

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Lebedev, S. V., Khokhlovkin, M. A. and others.
KINETICS OF THE PROCESS OF THERMAL POLYMERIZATION OF BUTADIENE. [1941] 11p. 16 refs.
Order from OTS or O T A $1.60 61-18074

Trans. of Zhurnal Prikladnoi Khimii (USSR) [1935] v. 6, p. 1301 (also pub. in mono. Lebedev, S. V., Life and Work, Leningrad, 1938, p. 647-662).

DESCRIPTORS: Butadienes, Polymerization, Reaction kinetics, Temperature, Velocity, Oxygen.

Thermal polymerization of butadiene within the temperature interval of 110-160° was investigated, and reaction velocity curves obtained for each temperature. It was established that the order of the reaction changes with change of the temperature of the experiment. The average order of the reaction determined according to van't Hoff is approximately 1.5. The accelerating effect (Chemistry - Physical, TT, v. 9, no. 2) (over)

61-18074

I. Lebedev, S. V.
II. Khokhlovkin, M. A.

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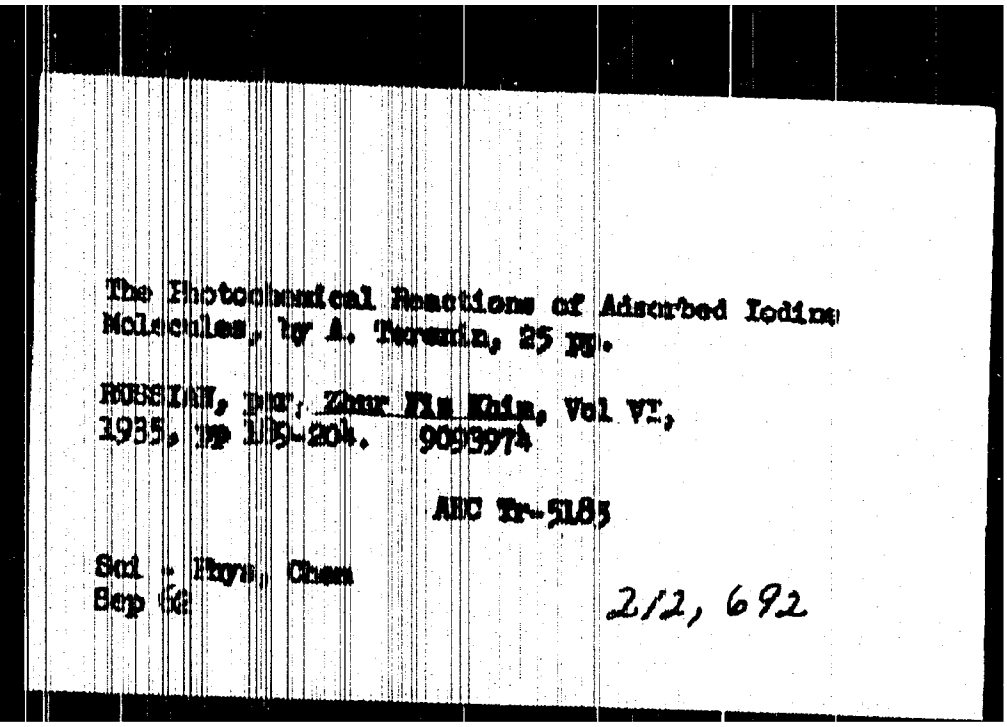

The Photochemical Reactions of Adsorbed Iodine Molecules, by A. Terenin, 25 pp.

RUSSIAN, Zhur Fiz Khim, Vol VI, 1935, pp 185-204. 9099974

AEC Tr-5185

Sci - Phys, Chem
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Mechanism of the Catalytic Oxidation of Sulfur Dioxide in a Solution of Manganese Salts. I, by M. K. Grodzovskiy, 26 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol VI, 1935, pp 478-495.

SLA/R-2520

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Mechanism of Catalytic Oxidation of SO_2 in a So- .
Ivition of Manganese Salts, by M. K. Trödtovskiy,

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1935, pp 506-510.

CBIRO-2966

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Equilibrium between Liquid and Gas at High Pressures and Temperatures. I. Solubility of Hydrogen in Individual Hydrocarbons of the Aromatic and Naphthenic Series, by V. V. Ipatieff and N. I. Lavina, 9 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol VI, No 5, 1935, pp 632-639.

SM B-2.09

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Shcherbakov, I. G. and Shcherbakov, R. A.
ON THE THEORY OF ELECTROLYSIS OF MELTS: THE YIELD BASED ON THE ENERGY IN THE ELECTROLYSIS OF CARNALLITE. 2 Dec 36 [24p] 3refs
Available on loan from SLA TT-64-10728

Trans. of [Zhurnal Prikhenkoi Khimii] (USSR) 1935, v. 6, p. 649-663.

DESCRIPTORS: *Fertilizers, *Minerals, Manufacturing methods, Electrolysis, Theory, Electrochemistry, Electrolytic cells, *Carnallite.

(Chemistry--Physical, TT, v. 11, no. 10)

TT-64-10728

I. Shcherbakov, I. G.
II. Shcherbakov, R. A.
III. Title: Yield...

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Theory of Overvoltage and the Simultaneous Discharge of Ions, by O. A. Esin.
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The Action of Ozone on Activated Charcoal, by B. Bruns, E. Kozlova, M. Maksimova.

RUSSIAN, per, Zh Fiz Khim, Vol VI, 1935, pp 977-984.

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Nov 1949 CTS

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Zh Fiz Khim Vol 6, page 1043-50 (1935)

Kinetics of Oxidation of Iron Chloride with Atmospheric Oxygen Under Pressure
by V. V. Ipatieff, Jr., V. A. Komarov and D. K. Kurmanaev

AEC Trans (avail. Brookhaven)

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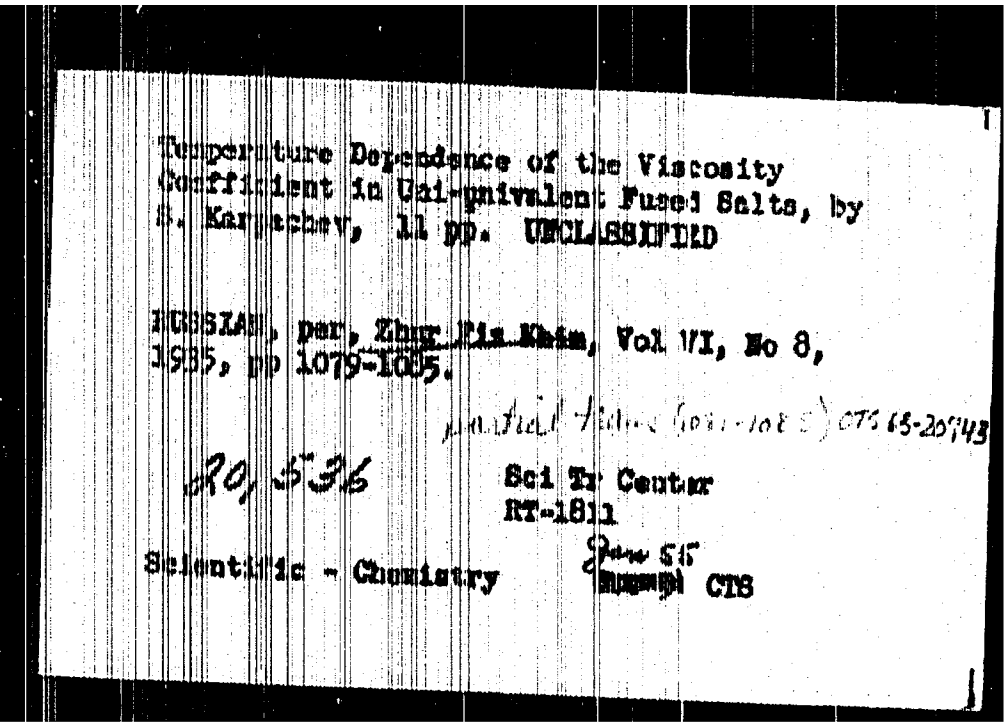

Temperature Dependence of the Viscosity Coefficient in Bai-univalent Fused Salts, by P. Kapustinev, 11 pp. UNCLASSIFIED

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RT-1811

June 65

Scientific - Chemistry

Transl CTS

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Effect of Some Experimental Factors on the Geometrical Elements of Heat Curves, by K Kumarin, N. Kalnen.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol. 7, 1936, pp 405-417.
CSIRO/No. 7081

Sci -
Aug 57 335-695

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Raman Effect of Electrolytes in Non-Aqueous Solutions, Part II, by M. S. Ashkinazi, P. V. Kurnosova, V. S. Finkelstein.

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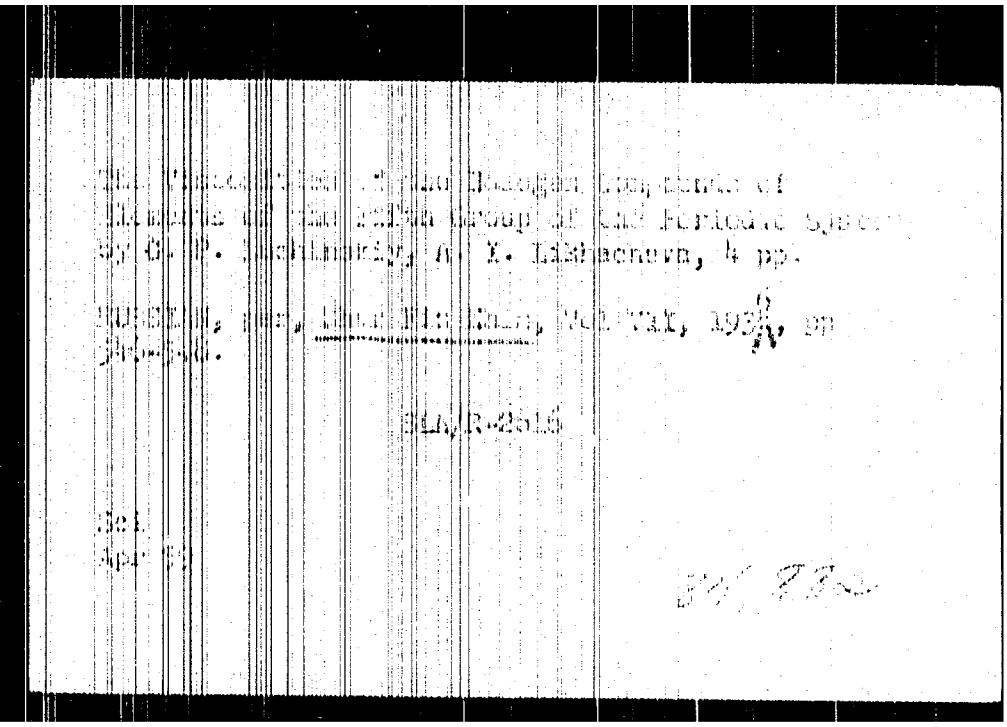

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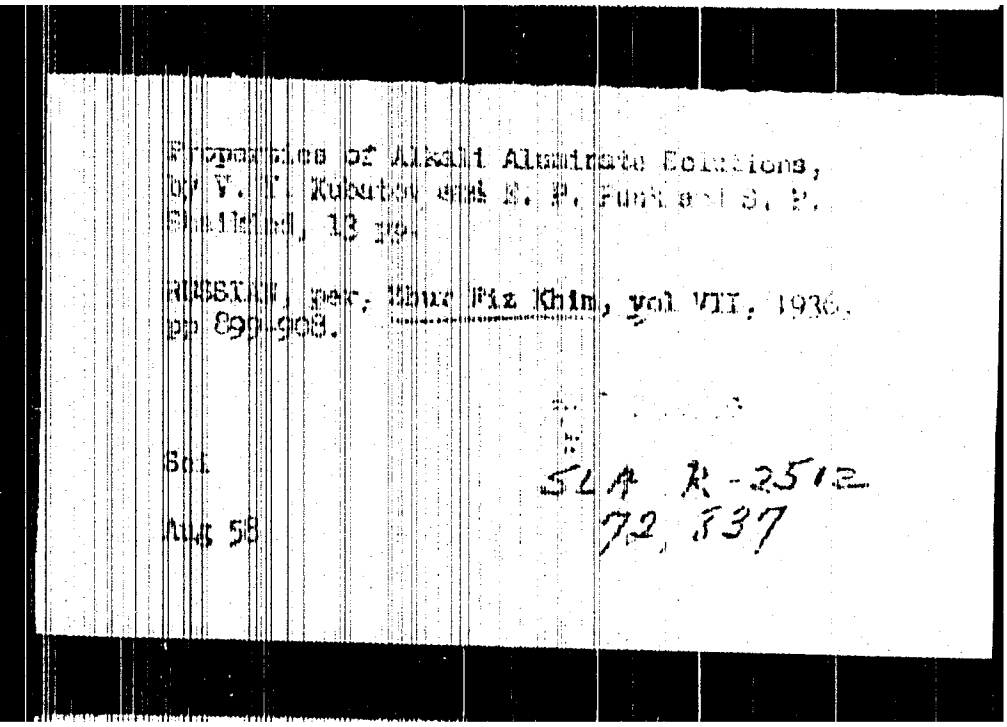

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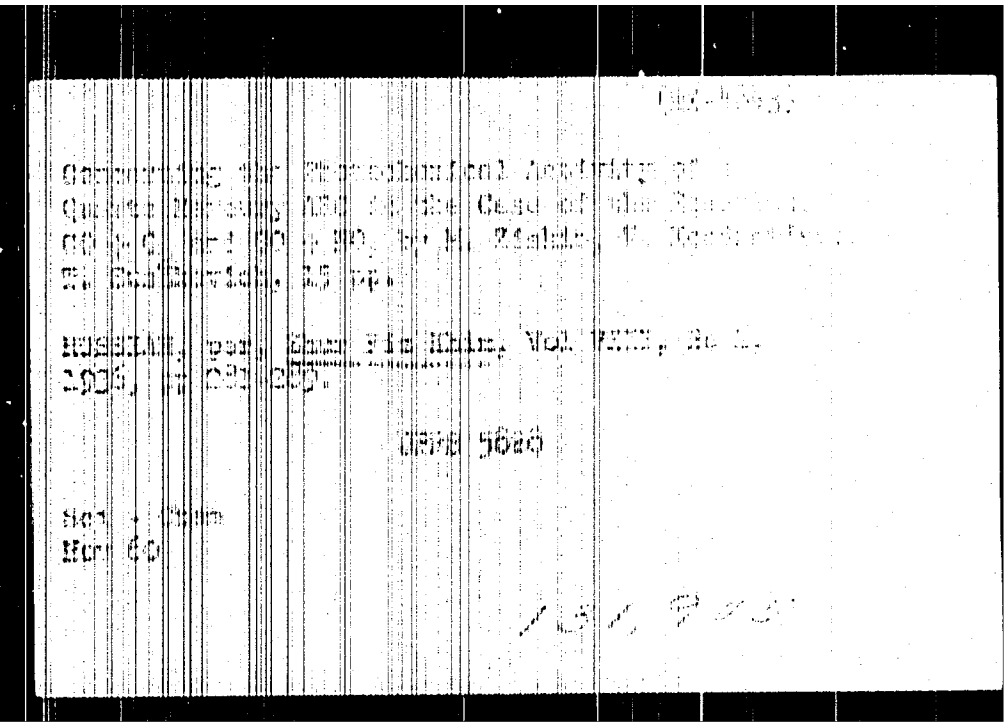

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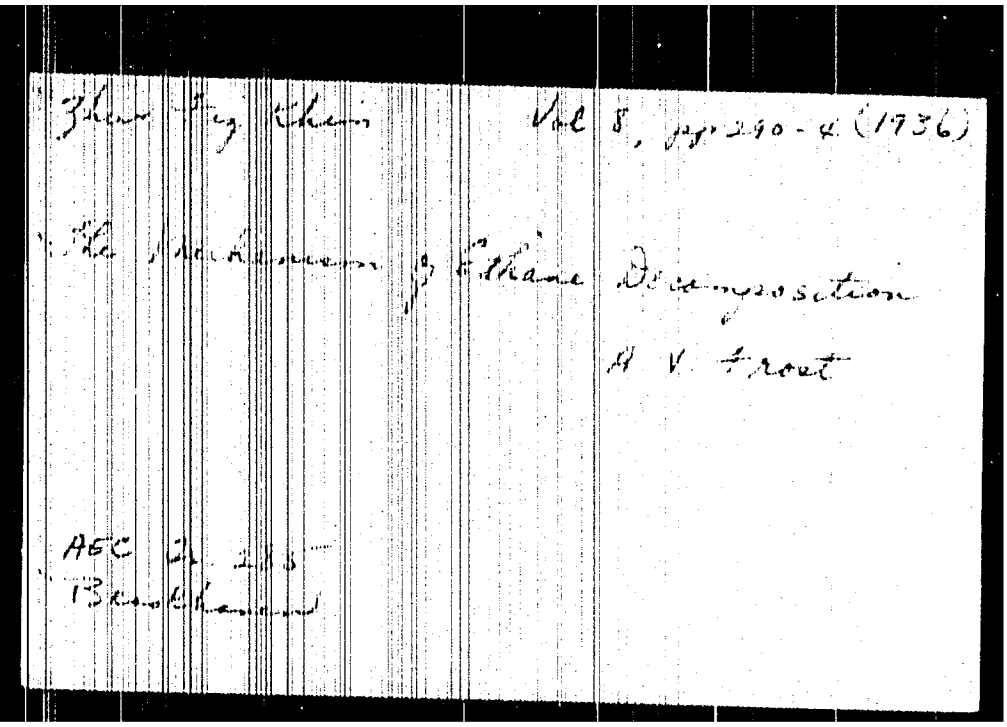

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